



09/09/04

PTO/SB/08a (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/500,133
Filing Date	June 25, 2004
First Named Inventor	Matthew James Longman
Art Unit	1652
Examiner Name	
Attorney Docket Number	ACE-20532

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code <sup>2</sup> (if known)			Class	Sub
MF		US- 3,100,918	08-20-1963	Coverley	49	477-1
		US- 3,423,769	01-28-1969	Cowley		
MF		US- 3,371,354	03-05-1968	Hayslett	4	556
		US- 3,380,078	04-30-1968	Hanson		555
		US- 3,423,769	01-28-1969	Cowley		556
		US- 3,863,275	02-04-1975	Brendgord et al.		556
		US- 3,864,762	02-11-1975	Finch et al.		555
		US- 4,099,272	07-11-1978	Sowder		555
		US- 4,399,569	08-23-1983	Houle		555
		US- 4,546,506	10-15-1985	Houle et al.		555
		US- 4,953,241	09-04-1990	Williams		556
		US- 5,056,169	10-15-1991	Roguebrune		556
MF		US- 5,184,358	02-09-1993	Gruidel et al.	4	555
		US- 5,701,614	12-30-1997	Appleford et al.		555
		US-				
		US-				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
MF		EP 0 913 115	06-05-1999	Landi		
		GB 1 213 358	11-25-1970	Preston		
MF		GB 2 334 438	08-25-1999	Nailer		
		CA 1 144 708	04-19-1983	Sills et al.		
MF		CA 1,177,603	01-13-1984	Barrett		

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Sheet 2 of 2**Complete If Known**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
MF		CA 1,264,204	01-09-1990	Houle et al.		
		CA 2,022,257	01-31-1992	Williams		
		CA 2,195,026	07-14-1998	Cornies et al.		
MF		CA 1,267,751	04-17-1990	Sloan et al.		

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**SUPPLEMENTAL  
 INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**

**Complete if Known**

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Sheet	1	of	1	Attorney Docket Number	ACE-20532
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
MF		EP 0 700 655	03-13-1996	Remo		

Examiner Signature		Date Considered	08/28/06
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